

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L1 | 5 | (yonehana near2 Yasunori).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/05/20 13:31 |
| L2 | 3 | (Chisaki near2 Yoshinao).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/05/20 13:31 |
| L3 | 4 | (Tsukihashi near2 Fumitaka).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/05/20 13:31 |
| L4 | 134 | (JFE and Mineral).as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/05/20 13:31 |
| L5 | 130 | (Ishihara and Chemical).as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/05/20 13:31 |
| L6 | 11 | (L1 or L2 or L3 or L4 or L5) and ("2009" or "2010").py. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/05/20 13:31 |
| L7 | 8 | (L1 or L2 or L3 or L4 or L5) and (chloride or MCl or M-Cl) | FPRS; EPO; JPO | ADJ | ON | 2010/05/20 13:32 |
| L8 | 41 | 75/343,359,360.ccls. and ("2009" or "2010").py. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/05/20 13:36 |

| | | | | | | |
|-----|-------|--|---------------------------|-----|----|---------------------|
| L10 | 21 | 75/343,359,360.ccls. and ("2009" or "2010"). py. and (chloride or CuCl2 or CuCl3 or FeCl3 or FeCl2 or "CuCl.sub.2" or "CuCl.sub.3" or "FeCl. sub.2" or "FeCl.sub.3" or MCl or NiCl2 or "NiCl. sub.2") | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/05/20 13:37 |
| L11 | 14 | 75/343,359,360.ccls. and ("2009" or "2010"). py. and (chloride or CuCl2 or CuCl3 or FeCl3 or FeCl2 or "CuCl.sub.2" or "CuCl.sub.3" or "FeCl. sub.2" or "FeCl.sub.3" or MCl or NiCl2 or "NiCl. sub.2") and (hydrogen or H2 or "H.sub.2") | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/05/20 13:39 |
| L14 | 396 | B22F9/12 or B22F009/12 or B22F9/28 or B22F009/28 | FPRS; EPO; JPO | ADJ | ON | 2010/05/20 13:42 |
| L15 | 47 | L14 and (chloride or CuCl2 or CuCl3 or FeCl3 or FeCl2 or "CuCl.sub.2" or "CuCl.sub.3" or "FeCl. sub.2" or "FeCl.sub.3" or MCl or NiCl2 or "NiCl. sub.2") and (hydrogen or H2 or "H.sub.2") | FPRS; EPO; JPO | ADJ | ON | 2010/05/20 13:42 |
| L16 | 13196 | m22-h01\$2 | DERWENT | ADJ | ON | 2010/05/20 13:51 |
| L17 | 47 | L15 and (chloride or CuCl2 or CuCl3 or FeCl3 or FeCl2 or "CuCl.sub.2" or "CuCl.sub.3" or "FeCl. sub.2" or "FeCl.sub.3" or MCl or NiCl2 or "NiCl. sub.2") and (hydrogen or H2 or "H.sub.2") | FPRS; EPO; JPO | ADJ | ON | 2010/05/20 13:51 |
| L18 | 213 | L16 and (chloride or CuCl2 or CuCl3 or FeCl3 or FeCl2 or "CuCl.sub.2" or "CuCl.sub.3" or "FeCl. sub.2" or "FeCl.sub.3" or MCl or NiCl2 or "NiCl. sub.2") and (hydrogen or H2 or "H.sub.2") | DERWENT | ADJ | ON | 2010/05/20 13:51 |

| | | | | | | |
|-----|-----|---|---|-----|----|---------------------|
| L19 | 145 | L16 and (chloride or CuCl ₂ or CuCl ₃ or FeCl ₃ or FeCl ₂ or "CuCl.sub.2" or "CuCl.sub.3" or "FeCl.sub.2" or "FeCl.sub.3" or MCl or NiCl ₂ or "NiCl.sub.2") and (hydrogen or H ₂ or "H.sub.2") and (powder or particle) and (reduc\$6) | DERWENT | ADJ | ON | 2010/05/20 13:52 |
| L20 | 130 | L16 and (chloride or CuCl ₂ or CuCl ₃ or FeCl ₃ or FeCl ₂ or "CuCl.sub.2" or "CuCl.sub.3" or "FeCl.sub.2" or "FeCl.sub.3" or MCl or NiCl ₂ or "NiCl.sub.2") and (hydrogen or H ₂ or "H.sub.2") same (reduc\$6) and (powder or particle) | DERWENT | ADJ | ON | 2010/05/20 13:52 |
| S1 | 2 | WO "2005044488" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:32 |
| S2 | 4 | (yonehana near2 Yasunori).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:38 |
| S3 | 2 | (Chisaki near2 Yoshinao).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:38 |
| S4 | 3 | (Tsukihashi near2 Fumitaka).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:38 |
| S5 | 111 | (JFE and Mineral).as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:39 |

| | | | | | | |
|-----|-----|---------------------------------|---|-----|----|---------------------|
| S6 | 123 | (Ishihara and Chemical). as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:39 |
| S7 | 7 | S2 or S3 or S4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:39 |
| S8 | 2 | JP "62090908" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:40 |
| S9 | 2 | Jp "2000345217" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:40 |
| S10 | 2 | JP "61079706" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:40 |
| S11 | 2 | WO "9964191" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:40 |
| S12 | 2 | CN "1275103" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:40 |
| S13 | 3 | JP "2001223141" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:40 |

| | | | | | | |
|-----|--------|--|---|-----|----|---------------------|
| S14 | 2 | JP "2001345238" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:41 |
| S15 | 2 | JP "59093806" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:41 |
| S16 | 16 | S8 or S9 or S10 or S11 or S12 or S13 or S14 or S15 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:41 |
| S17 | 230 | (S5 or S6) not (S16 or S7) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 15:49 |
| S18 | 87984 | (copper or iron or ferric or ferrous) adj2 (chloride) or (FeCl3 or "FeCl.sub.3" or CuCl2 or "CuCl.sub.2") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 16:09 |
| S19 | 291467 | (reducing or hydrogen or H2 or "H.sub.2") adj2 gas or (H2 or "H. sub.2" or hydrogen) near5 (reduc\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 16:11 |
| S20 | 135232 | (sub\$2micron or sub micron or ultra\$2fine or ultra fine or super \$2micro or super micro or nano\$10 or super \$2fine) same (powder or particle) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 16:12 |
| S21 | 954 | S18 and S19 and S20 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 16:12 |

| | | | | | | |
|-----|-------|--------------------------------------|---|-----|----|---------------------|
| S22 | 24 | S18 same S19 same S20 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 16:14 |
| S23 | 9 | ("4810285").URPN. | USPAT | ADJ | ON | 2009/05/12 16:18 |
| S24 | 8 | "6402803" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 16:23 |
| S25 | 463 | (Kenichi near2 Otsuka).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:16 |
| S26 | 178 | (Minoru near2 nitta).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:16 |
| S27 | 22148 | (Yoshizawa).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:16 |
| S28 | 78241 | (Kawasaki Steel).as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:16 |
| S29 | 45 | (S25 or S26) and (S19 or S18 or S20) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:17 |
| S30 | 32 | (S27 or S28) and (S19 and S20) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:18 |

| | | | | | | |
|-----|----|--|---|-----|----|---------------------|
| S31 | 74 | S29 or S30 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:18 |
| S32 | 15 | (S25 or S26) and (B22F009/12 OR B22F009/28) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:18 |
| S33 | 76 | S31 or S32 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:19 |
| S34 | 26 | (S27 or S28) and (B22F009/12 OR B22F009/28) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:19 |
| S35 | 81 | S33 or S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:19 |
| S36 | 51 | (US-20060191608-\$ or US-20080226531-\$ or US-20010055704-\$ or US-20030008145-\$ or US-20080145657-\$ or US-20080107902-\$ or US-20080034921-\$ or US-20070213228-\$ or US-20050022628-\$ or US-20040139820-\$ or US-20040013907-\$). did. or (US-7471504-\$ or US-4810285-\$ or US- 4753675-\$ or US- 6372015-\$ or US- 6530972-\$ or US- 4650778-\$ or US- 4936909-\$ or US- 5411730-\$ or US- 6033624-\$ or US- 6346136-\$ or US- 6402803-\$ or US- 7517382-\$ or US- 7470306-\$ or US- | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/05/12 17:19 |

| | | | | | | |
|-----|-----|---|---|-----|----|---------------------|
| | | 7470391-\$ or US- 7381239-\$ or US- 6706795-\$ or US- 6679937-\$ or US- 6645444-\$).did. or (US- 3449115-\$).did. or (WO- 2005044488-\$ or EP- 1690617-\$ or WO- 9964191-\$ or EP- 1604759-\$).did. or (JP- 59093806-\$ or JP- 2001223141-\$ or JP- 2001345238-\$ or JP- 62090908-\$ or JP- 61079706-\$ or JP- 2000345217-\$ or JP- 2004052026-\$ or JP- 2005008981-\$).did. or (WO-0159166-\$ or JP- 62090908-\$ or WO- 0191953-\$ or WO- 9964191-\$ or JP- 2000345217-\$ or US- 20030076517-\$ or JP- 61079706-\$ or JP- 59093806-\$ or WO- 2005044488-\$).did. | | | | |
| S37 | 80 | S35 not S36 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:19 |
| S38 | 415 | 75/343,359,360.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:34 |
| S39 | 222 | B22F009/12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:34 |
| S40 | 222 | B22F009/28 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:34 |

| | | | | | | |
|-----|-------|--|---|-----|----|---------------------|
| S41 | 12092 | M22-H01\$2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:35 |
| S42 | 268 | (S38 or S39 or S40) and S19 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:35 |
| S43 | 448 | (S38 or S39 or S40) and (S19 or S20) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:35 |
| S44 | 111 | M22-H01\$2 and S18 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:36 |
| S45 | 43 | S44 and (hydrogen OR H2 OR "H.sub.2") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:36 |
| S46 | 26 | S45 and (gas or vapor or vapour or gaseous) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:37 |
| S47 | 86 | M22-H01\$2 and (S19 and S20) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:38 |
| S48 | 81 | S47 not S45 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:39 |

| | | | | | | |
|-----|----|--|--|-----|----|---------------------|
| S49 | 69 | (US-20060191608-\$ or US-20080226531-\$ or US-20010055704-\$ or US-20030008145-\$ or US-20080145657-\$ or US-20080107902-\$ or US-20080034921-\$ or US-20070213228-\$ or US-20050022628-\$ or US-20040139820-\$ or US-20040013907-\$). did. or (US-7471504-\$ or US-4810285-\$ or US- 4753675-\$ or US- 6372015-\$ or US- 6530972-\$ or US- 4650778-\$ or US- 4936909-\$ or US- 5411730-\$ or US- 6033624-\$ or US- 6346136-\$ or US- 6402803-\$ or US- 7517382-\$ or US- 7470306-\$ or US- 7470391-\$ or US- 7381239-\$ or US- 6706795-\$ or US- 6679937-\$ or US- 6645444-\$ or US- 4383852-\$ or US- 4526611-\$ or US- 4948422-\$ or US- 5853451-\$).did. or (US- 3449115-\$).did. or (WO- 2005044488-\$ or EP- 1690617-\$ or WO- 9964191-\$ or EP- 1604759-\$ or EP- 318590-\$ or EP-461866- \$).did. or (JP-59093806- \$ or JP-2001223141-\$ or JP-2001345238-\$ or JP-62090908-\$ or JP- 61079706-\$ or JP- 2000345217-\$ or JP- 2004052026-\$ or JP- 2005008981-\$).did. or (WO-0159166-\$ or JP- 62090908-\$ or WO- 0191953-\$ or WO- 9964191-\$ or JP- 2000345217-\$ or US- 20030076517-\$ or JP- 61079706-\$ or JP- 59093806-\$ or WO- 2005044488-\$ or WO- | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/05/12 17:41 |
|-----|----|--|--|-----|----|---------------------|

| | | | | | | |
|-----|--------|--|---|-----|----|---------------------|
| | | 8810002-\$ or SU-479564-\$ or GB-1445634-\$ or SU-618193-\$ or JP-02259003-\$ or WO-2005102569-\$ or JP-63312603-\$ or JP-01036706-\$ or CN-1636655-\$ or WO-0074881-\$ or US-5928405-\$ or EP-925861-\$).did. | | | | |
| S50 | 432 | S43 not (S45 or S47 or "L64" or S49) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/12 17:42 |
| S51 | 4 | "5185030" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |
| S52 | 87984 | (copper or iron or ferric or ferrous) adj2 (chloride) or (FeCl3 or "FeCl.sub.3" or CuCl2 or "CuCl.sub.2") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |
| S53 | 291467 | (reducing or hydrogen or H2 or "H.sub.2") adj2 gas or (H2 or "H.sub.2" or hydrogen) near5 (reduc\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |
| S54 | 135232 | (sub\$2micron or sub micron or ultra\$2fine or ultra fine or super \$2micro or super micro or nano\$10 or super \$2fine) same (powder or particle) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |
| S55 | 415 | 75/343,359,360.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |

| | | | | | | |
|-----|-----|--|---|-----|----|---------------------|
| S56 | 222 | B22F009/12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |
| S57 | 222 | B22F009/28 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |
| S58 | 448 | (S55 or S56 or S57) and (S53 or S54) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |
| S59 | 111 | M22-H01\$2 and S52 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |
| S60 | 43 | S59 and (hydrogen OR H2 OR "H.sub.2") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |
| S61 | 86 | M22-H01\$2 and (S53 and S54) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |
| S62 | 69 | (US-20060191608-\$ or US-20080226531-\$ or US-20010055704-\$ or US-20030008145-\$ or US-20080145657-\$ or US-20080107902-\$ or US-20080034921-\$ or US-20070213228-\$ or US-20050022628-\$ or US-20040139820-\$ or US-20040013907-\$). did. or (US-7471504-\$ or US-4810285-\$ or US- 4753675-\$ or US- 6372015-\$ or US- 6530972-\$ or US- 4650778-\$ or US- 4936909-\$ or US- | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/05/13 14:26 |

| | | | | | | |
|-----|-----|---|---|-----|----|---------------------|
| | | 5411730-\$ or US- 6033624-\$ or US- 6346136-\$ or US- 6402803-\$ or US- 7517382-\$ or US- 7470306-\$ or US- 7470391-\$ or US- 7381239-\$ or US- 6706795-\$ or US- 6679937-\$ or US- 6645444-\$ or US- 4383852-\$ or US- 4526611-\$ or US- 4948422-\$ or US- 5853451-\$).did. or (US- 3449115-\$).did. or (WO- 2005044488-\$ or EP- 1690617-\$ or WO- 9964191-\$ or EP- 1604759-\$ or EP- 318590-\$ or EP-461866-\$).did. or (JP-59093806-\$ or JP-2001223141-\$ or JP-2001345238-\$ or JP-62090908-\$ or JP-61079706-\$ or JP-2000345217-\$ or JP-2004052026-\$ or JP-2005008981-\$).did. or (WO-0159166-\$ or JP-62090908-\$ or WO-0191953-\$ or WO-9964191-\$ or JP-2000345217-\$ or US-20030076517-\$ or JP-61079706-\$ or JP-59093806-\$ or WO-2005044488-\$ or WO-8810002-\$ or SU-479564-\$ or GB-1445634-\$ or SU-618193-\$ or JP-02259003-\$ or WO-2005102569-\$ or JP-63312603-\$ or JP-01036706-\$ or CN-1636655-\$ or WO-0074881-\$ or US-5928405-\$ or EP-925861-\$).did. | | | | |
| S63 | 432 | S58 not (S60 or S61 or "L64" or S62) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:26 |

| | | | | | | |
|-----|------|---|--|-----|----|------------------|
| S64 | 731 | S53 and S54 and (metallic or pure or zero adj2 valent) adj2 (copper or cu! or iron or fe!) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:29 |
| S65 | 85 | S63 and ((cupric or cuprous or ferric or ferrous or nickel or cobalt or stannous or copper or iron) near3 (chloride) or (CuCl2 or "CuCl.sub.2" or CuCl or FeCl3 or "FeCl.sub.3" or "FeCl.sub.2" or FeCl2 or NiCl2 or "NiCl.sub.2" or CoCl2 or "CoCl.sub.2" or SnCl2 or "SnCl.sub.2")) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:33 |
| S66 | 1679 | ((cupric or cuprous or ferric or ferrous or nickel or cobalt or stannous or copper or iron) near3 (chloride) or (CuCl2 or "CuCl.sub.2" or CuCl or FeCl3 or "FeCl.sub.3" or "FeCl.sub.2" or FeCl2 or NiCl2 or "NiCl.sub.2" or CoCl2 or "CoCl.sub.2" or SnCl2 or "SnCl.sub.2")) and S53 and S54 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:33 |
| S67 | 492 | S66 and (metallic or pure or zero adj2 valen \$5) near5 (copper or iron or cu! or fe! or ni! or nickel or cobalt or co!) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:34 |
| S68 | 321 | S66 and (metallic or pure or zero adj2 valen \$5) near5 (copper or iron or cu! or fe! or ni! or nickel or cobalt or co!) same (oxidi\$8 or reduc\$8) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:34 |
| S69 | 291 | S68 and (reduc\$8) same (gas or gaseous or vapor) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:35 |

| | | | | | | |
|-----|------|---|---|-----|----|---------------------|
| S70 | 2 | "7449044" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:38 |
| S71 | 124 | S63 and ((metal or metallic or cupric or cuprous or ferric or ferrous or nickel or cobalt or stannous or copper or iron) near3 (chloride) or (CuCl2 or "CuCl.sub.2" or CuCl or FeCl3 or "FeCl.sub.3" or "FeCl.sub.2" or FeCl2 or NiCl2 or "NiCl.sub.2" or CoCl2 or "CoCl.sub.2" or SnCl2 or "SnCl.sub.2" or MeCl or MeCl2 or "MeCl.sub.2" or MCl or MCl2 or "MCl.sub.2")) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:39 |
| S72 | 129 | S53 same ((metal or metallic or cupric or cuprous or ferric or ferrous or nickel or cobalt or stannous or copper or iron) near3 (chloride) or (CuCl2 or "CuCl.sub.2" or CuCl or FeCl3 or "FeCl.sub.3" or "FeCl.sub.2" or FeCl2 or NiCl2 or "NiCl.sub.2" or CoCl2 or "CoCl.sub.2" or SnCl2 or "SnCl.sub.2" or MeCl or MeCl2 or "MeCl.sub.2" or MCl or MCl2 or "MCl.sub.2")) same S54 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:40 |
| S73 | 231 | S71 or S72 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:40 |
| S74 | 1819 | (Sohn or Paldey).in. and (reduction or reducing or reduce) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:55 |

| | | | | | | |
|-----|-----|---|---|-----|----|---------------------|
| S75 | 159 | (Sohn or Paldey).in. and (reduction or reducing or reduce) and (chloride) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 14:55 |
| S76 | 54 | (Okabe).in. and (hydrogen or h2 or "h. sub.2") near3 (reduc\$8) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 15:09 |
| S77 | 71 | (US-20060191608-\$ or US-20080226531-\$ or US-20010055704-\$ or US-20030008145-\$ or US-20080145657-\$ or US-20080107902-\$ or US-20080034921-\$ or US-20070213228-\$ or US-20050022628-\$ or US-20040139820-\$ or US-20040013907-\$). did. or (US-7471504-\$ or US-4810285-\$ or US- 4753675-\$ or US- 6372015-\$ or US- 6530972-\$ or US- 4650778-\$ or US- 4936909-\$ or US- 5411730-\$ or US- 6033624-\$ or US- 6346136-\$ or US- 6402803-\$ or US- 7517382-\$ or US- 7470306-\$ or US- 7470391-\$ or US- 7381239-\$ or US- 6706795-\$ or US- 6679937-\$ or US- 6645444-\$ or US- 4383852-\$ or US- 4526611-\$ or US- 4948422-\$ or US- 5853451-\$ or US- 5185030-\$).did. or (US- 3449115-\$).did. or (WO- 2005044488-\$ or EP- 1690617-\$ or WO- 9964191-\$ or EP- 1604759-\$ or EP- 318590-\$ or EP-461866- \$).did. or (JP-59093806- \$ or JP-2001223141-\$ or JP-2001345238-\$ or JP-62090908-\$ or JP- | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/05/13 15:18 |

| | | | | | | |
|-----|--------|---|---|-----|----|---------------------|
| | | 61079706-\$ or JP-2000345217-\$ or JP-2004052026-\$ or JP-2005008981-\$).did. or (WO-0159166-\$ or JP-62090908-\$ or WO-0191953-\$ or WO-9964191-\$ or JP-2000345217-\$ or US-20030076517-\$ or JP-61079706-\$ or JP-59093806-\$ or WO-2005044488-\$ or WO-8810002-\$ or SU-479564-\$ or GB-1445634-\$ or SU-618193-\$ or JP-02259003-\$ or WO-2005102569-\$ or JP-63312603-\$ or JP-01036706-\$ or CN-1636655-\$ or WO-0074881-\$ or US-5928405-\$ or EP-925861-\$ or WO-2004030853-\$).did. | | | | |
| S78 | 215 | S73 not S77 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 15:18 |
| S79 | 215493 | (reducing or reduce or reduction) same (hydrogen or h2 or "h.sub.2") same (pure or metallic or zero adj2 valen\$4) same (metal or metallic) adj2 chloride or chloride same (powder or particles) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 16:20 |
| S80 | 906 | (reduction or reduce or reduction) same ((metal or metallic or cupric or cuprous or ferric or ferrous or nickel or cobalt or stannous or copper or iron) near3 (chloride) or (CuCl2 or "CuCl.sub.2" or CuCl or FeCl3 or "FeCl.sub.3" or "FeCl.sub.2" or FeCl2 or NiCl2 or "NiCl.sub.2" or CoCl2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 16:22 |

| | | | | | | |
|-----|------|--|--|-----|----|------------------|
| | | or "CoCl.sub.2" or SnCl2 or "SnCl.sub.2")) same (pure or metallic) adj2 (copper or nickel or iron or cu! or fe! or ni!) | | | | |
| S81 | 44 | (reduction or reduce or reduction) near10 ((metal or metallic or cupric or cuprous or ferric or ferrous or nickel or cobalt or stannous or copper or iron) near3 (chloride) or (CuCl2 or "CuCl.sub.2" or CuCl or FeCl3 or "FeCl.sub.3" or "FeCl.sub.2" or FeCl2 or NiCl2 or "NiCl.sub.2" or CoCl2 or "CoCl.sub.2" or SnCl2 or "SnCl.sub.2")) near10 (pure or metallic) adj2 (copper or nickel or iron or cu! or fe! or ni!) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 16:23 |
| S82 | 1658 | (pure or metallic) adj2 (copper or nickel or iron or cu! or fe! or ni!) near5 (reduc\$8) same (agent) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 16:24 |
| S83 | 329 | (pure or metallic) adj2 (copper or nickel or iron or cu! or fe! or ni!) near5 (reduc\$8) adj2 (agent) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 16:24 |
| S84 | 728 | (pure or metallic) adj2 (copper or nickel or iron or cu! or fe! or ni!) near5 (reducing agent or reductant) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 16:25 |

| | | | | | | |
|-----|-----|---|---|-----|----|---------------------|
| S85 | 117 | (pure or metallic) adj2 (copper or nickel or iron or cu! or fe! or ni!) near5 (reducing agent or reductant) same ((metal or metallic or cupric or cuprous or ferric or ferrous or nickel or cobalt or stannous or copper or iron) near3 (chloride) or (CuCl2 or "CuCl.sub.2" or CuCl or FeCl3 or "FeCl.sub.3" or "FeCl. sub2" or FeCl2 or NiCl2 or "NiCl.sub.2" or CoCl2 or "CoCl.sub.2" or SnCl2 or "SnCl.sub.2" or MeCl or MeCl2 or "MeCl. sub.2" or MCl or MCl2 or "MCl.sub.2")) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/13 16:25 |
| S86 | 47 | (toho titanium).as. and (copper or iron or cobalt or nickel or cu! OR fe! or Co! or ni!) near5 (chloride) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/14 15:42 |
| S87 | 154 | (Toho and Titanium).as. and ((metal or metallic or cupric or cuprous or ferric or ferrous or nickel or cobalt or stannous or copper or iron) near3 (chloride) or (CuCl2 or "CuCl.sub.2" or CuCl or FeCl3 or "FeCl.sub.3" or "FeCl. sub2" or FeCl2 or NiCl2 or "NiCl.sub.2" or CoCl2 or "CoCl.sub.2" or SnCl2 or "SnCl.sub.2" or MeCl or MeCl2 or "MeCl. sub.2" or MCl or MCl2 or "MCl.sub.2")) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/14 15:42 |

| | | | | | | |
|------|----|--|---|-----|----|---------------------|
| S88 | 68 | (Toho and Titanium).as. and ((metal or metallic or cupric or cuprous or ferric or ferrous or nickel or cobalt or stannous or copper or iron) near3 (chloride) or (CuCl2 or "CuCl.sub.2" or CuCl or FeCl3 or "FeCl.sub.3" or "FeCl. sub2" or FeCl2 or NiCl2 or "NiCl.sub.2" or CoCl2 or "CoCl.sub.2" or SnCl2 or "SnCl.sub.2" or MeCl or MeCl2 or "MeCl. sub.2" or MCl or MCl2 or "MCl.sub.2")) and (reduc\$4 near3 gas or hydrogen or h2 or "h. sub.2") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/14 15:43 |
| S89 | 2 | JP "59093806" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/14 16:00 |
| S90 | 0 | ("2642356").URPN. | USPAT | ADJ | ON | 2009/05/14 16:39 |
| S91 | 1 | JP "2000345217" | DERWENT | ADJ | ON | 2009/05/14 16:40 |
| S92 | 1 | JP "2000345218" | DERWENT | ADJ | ON | 2009/05/14 16:40 |
| S93 | 1 | EP "1129804" | DERWENT | ADJ | ON | 2009/05/14 16:41 |
| S94 | 1 | JP "2001247903" | DERWENT | ADJ | ON | 2009/05/14 16:41 |
| S95 | 1 | EP "925861" | DERWENT | ADJ | ON | 2009/05/14 16:41 |
| S96 | 1 | JP "2001089804" | DERWENT | ADJ | ON | 2009/05/14 16:41 |
| S97 | 1 | JP "62090908" | DERWENT | ADJ | ON | 2009/05/14 16:41 |
| S98 | 1 | JP "2001223141" | DERWENT | ADJ | ON | 2009/05/14 16:41 |
| S99 | 1 | JP "2001345238" | DERWENT | ADJ | ON | 2009/05/14 16:41 |
| S100 | 1 | JP "59093806" | DERWENT | ADJ | ON | 2009/05/14 16:41 |
| S101 | 1 | JP "62090908" | DERWENT | ADJ | ON | 2009/05/14 16:41 |

| | | | | | | |
|------|------|--|---|-----|----|---------------------|
| S102 | 1 | JP "61079706" | DERWENT | ADJ | ON | 2009/05/14 16:41 |
| S103 | 2 | CN "1275103" | DERWENT | ADJ | ON | 2009/05/14 16:42 |
| S104 | 1 | WO "9964191" | DERWENT | ADJ | ON | 2009/05/14 16:42 |
| S105 | 13 | S91 or S92 or S93 or S94 or S95 or S96 or S97 or S98 or S99 or S100 or S101 or S102 or S103 or S104 | DERWENT | ADJ | ON | 2009/05/14 16:42 |
| S106 | 463 | (Kenichi near2 Otsuka). in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 19:56 |
| S107 | 3 | (Kenichi near2 Otsuka). in. and ((copper or cu! or iron or fe!) near2 (chloride) or (CuCl3 or CuCl2 or "CuCl.sub.3" or "CuCl.sub.2" or FeCl2 or FeCl3 or "FeCl.sub.2" or "FeCl.sub.3")) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 19:57 |
| S108 | 2 | US "4192676" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:00 |
| S109 | 177 | (hydrogen or H2 or "H. sub.2") same (CuCl3 or "CuCl.sub.3" or FeCl3 or "FeCl.sub.3") same (powder or particle) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:01 |
| S110 | 1413 | (hydrogen or H2 or "H. sub.2") same (ferric chloride or cupric chloride or CuCl3 or "CuCl.sub.3" or FeCl3 or "FeCl.sub.3") same (powder or particle) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:03 |
| S111 | 580 | (hydrogen or H2 or "H. sub.2") same (reduc\$5) same (ferric chloride or cupric chloride or CuCl3 or "CuCl.sub.3" or FeCl3 or "FeCl.sub.3") same (powder or particle) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:03 |

| | | | | | | |
|------|-----|--|---|-----|----|---------------------|
| S112 | 323 | (hydrogen or H2 or "H.sub.2") same (reduc\$5) same (ferric chloride or cupric chloride or CuCl3 or "CuCl.sub.3" or FeCl3 or "FeCl.sub.3") same (vapor or gas or gaseous or vaporous) same (powder or particle) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:04 |
| S113 | 44 | (Marion near2 graham). in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:07 |
| S114 | 4 | ("2754193" "2754194" "2754195" "2766117").URPN. | USPAT | ADJ | ON | 2009/05/15 20:12 |
| S115 | 611 | (William near2 Reed). in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:16 |
| S116 | 25 | (William near2 Reed). in. and (chloride) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:16 |
| S117 | 585 | 75/351,359.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:17 |
| S118 | 29 | S117 and (iron or copper) near2 chloride | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:17 |
| S119 | 100 | 75/343-362.ccls. and ((iron or copper) adj2 (chloride) or (FeCl3 or "FeCl.sub.3" or CuCl3 or "CuCl.sub.3")) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:18 |

| | | | | | | |
|------|----|--|---|-----|----|---------------------|
| S120 | 70 | 75/343-362.ccls. and ((iron or copper) adj2 (chloride) or (FeCl3 or "FeCl.sub.3" or CuCl3 or "CuCl.sub.3")) and (hydrogen or h2 or "h.sub.2") same (reduc\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:19 |
| S121 | 98 | (B22F009/\$4 or 75/343-362.ccls.) and ((iron or copper) adj2 (chloride) or (FeCl3 or "FeCl.sub.3" or CuCl3 or "CuCl.sub.3")) and (hydrogen or h2 or "h.sub.2") same (reduc\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/15 20:19 |
| S122 | 5 | (Yasunori near2 Yonehana).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:36 |
| S123 | 3 | (Yoshinao near2 Chisaki).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:36 |
| S124 | 4 | (Fumitaka near2 Tsukihashi).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:36 |
| S125 | 8 | S122 or S123 or S124 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:36 |
| S126 | 4 | "2762700".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:40 |
| S127 | 2 | "4383852".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:40 |

| | | | | | | |
|------|------|---|---|-----|----|---------------------|
| S128 | 2 | "20020184971" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:40 |
| S129 | 24 | (Ishihara Chemical).as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:42 |
| S130 | 118 | (JFE Mineral).as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:43 |
| S131 | 20 | ((S129 or S130) not S125) and ("2009").py. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:43 |
| S132 | 2 | JP "62090908" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:45 |
| S133 | 2 | JP "2000345217" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:45 |
| S134 | 434 | 75/343,359,360.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:46 |
| S135 | 1359 | B22F9/12 or B22F009/12 or B22F9/28 or B22F009/28 or B22F009/18 or B22F9/18 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:47 |

| | | | | | | |
|------|--------|---|---|-----|----|---------------------|
| S138 | 1842 | B22F9/22 or B22F009/22 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:52 |
| S139 | 3553 | S134 or S135 or S138 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:53 |
| S140 | 209 | S139 and "2009".py. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:54 |
| S141 | 53 | S140 and (powder or particle) and (hydrogen or H2 or "H.sub.2") same reduc\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:54 |
| S142 | 90805 | (copper or iron or ferric or ferrous) adj2 (chloride) or (FeCl3 or "FeCl.sub.3" or CuCl2 or "CuCl.sub.2") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:57 |
| S143 | 3 | S140 and S142 and (hydrogen or H2 or "H. sub.2") same reduc\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:57 |
| S144 | 4633 | ((copper or iron or ferric or ferrous) adj2 (chloride) or (FeCl3 or "FeCl.sub.3" or CuCl2 or "CuCl.sub.2")) same (hydrogen or h2 or "h. sub.2") same reduc\$7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:58 |
| S145 | 146206 | (sub\$2micron or sub micron or ultra\$2fine or ultra fine or super \$2micro or super micro or nano\$10 or super \$2fine) same (powder or particle) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 15:59 |

| | | | | | | |
|------|-----|---------------------|---|-----|----|---------------------|
| S146 | 173 | S144 and S145 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 16:00 |
| S147 | 18 | S146 and "2009".py. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/12 16:03 |

EAST Search History (I nterference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------|------------------|---------|------------------|
| L12 | 108 | reduc\$6 same (chloride or CuCl2 or CuCl3 or FeCl3 or FeCl2 or "CuCl.sub.2" or "CuCl.sub.3" or "FeCl.sub.2" or "FeCl.sub.3" or MCl or NiCl2 or "NiCl.sub.2") same (hydrogen or H2 or "H.sub.2") | UPAD | ADJ | ON | 2010/05/20 13:41 |
| L13 | 68 | reduc\$6 same (chloride or CuCl2 or CuCl3 or FeCl3 or FeCl2 or "CuCl.sub.2" or "CuCl.sub.3" or "FeCl.sub.2" or "FeCl.sub.3" or MCl or NiCl2 or "NiCl.sub.2") same (hydrogen or H2 or "H.sub.2") and (powder or particle) | UPAD | ADJ | ON | 2010/05/20 13:41 |

5/ 20/ 2010 2:19:48 PM**C:\ Documents and Settings\ mshevin\ My Documents\ EAST\ Workspaces\ 10-578298.wsp**